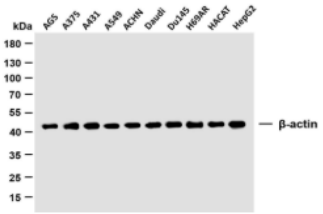
# PRODUCT DATA SHEET

# β-actin mAb (5B7)

| | |
|---|---|
| **Catalog No.** | IDS0001 |
| **Reactivity** | Human, Mouse, Rat |
| **Applications** | WB, IF, IP, ELISA |
| **Alternative Names** | Actin, cytoplasmic 1; Beta-actin; Actin; cytoplasmic 1; N-terminally processed; ACTB |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.07% sodium azide. |
| **Source** | Mouse |
| **Dilution** | WB 1:1000-5000; IF 1:100-500; ELISA 1:5000-50000; IP 1:50-1:200 |
| **Purification** | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| **Concentration** | 1 mg/ml |
| **Storage&Stability** | Store at 4 ℃ short term. Aliquot and store at -20 ℃ long term. Avoid freeze-thaw cycles. |
| **Subcellular Location** | - |
| **MW** | 42kD (Calculated) 42kD (Observed) |
| **Background** | Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells (PubMed:29581253). Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction (PubMed:29581253). |
| **Swiss-Prot** | P60709 |

## Products Images:




Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-β-actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody.

Lane 1: AGS
Lane 2: A375
Lane 3: A431
Lane 4: A549
Lane 5: ACHN
Lane 6: Daudi
Lane 7: Du145
Lane 8: H69AR
Lane 9: HACAT
Lane 10: HepG2